

10/52207-5

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November 22, 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Darrell Sleep  
Application No. 10/522,074 ✓  
U.S. National Stage of PCT  
Application No. PCT/GB03/03273  
Filed July 23, 2003Examiner: N/A  
Group Art Unit: N/A  
Confirmation No. 7594

## GENE AND POLYPEPTIDE SEQUENCES

(Atty. Docket No. P30,358 USA)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail, postage prepaid, in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 22, 2005.



Barbara G. Makariou

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Reply to Notification of Defective Response dated October 24, 2005

Sir:

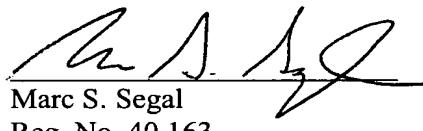
In response to the Notification of Defective Response, dated October 24, 2005, enclosed herewith for filing are the following documents:

- (A) Substitute sequence listing in written form;
- (B) Supplemental preliminary amendment incorporating sequence listing into the specification;

- (C) Substitute sequence listing in computer readable form (diskette);
- (D) Statement of Certification of Sequence Listing pursuant to 37 C.F.R. §§1.821(f) and 1.825(a);
- (E) A copy of the Notification of Defective Response; and
- (F) A copy of this Reply.

Please charge any deficiency or credit any overpayment to Deposit Account No. 19-5425.

Respectfully submitted,



Marc S. Segal  
Reg. No. 40,163

Synnestvedt & Lechner LLP  
2600 Aramark Tower  
1101 Market Street  
Philadelphia, PA 19107-2950  
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M:\MSegal\Clients\Eric Potter Clarkson\30,358 USA\ResponseToNotificationofDefectiveResponse.doc



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 PO. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

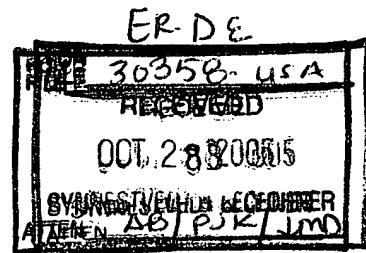
U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/522,074	Darrell Sleep	P30,358USA
INTERNATIONAL APPLICATION NO.		
PCT/GB03/03273		
I.A. FILING DATE		PRIORITY DATE
07/23/2003		07/23/2002
CONFIRMATION NO. 7594		
371 FORMALITIES LETTER		
 *OC000000017288272*		

Date Mailed: 10/24/2005

**NOTIFICATION OF DEFECTIVE RESPONSE**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 01/21/2005
- Copy of the International Search Report filed on 01/21/2005
- Preliminary Amendments filed on 01/21/2005
- Information Disclosure Statements filed on 07/08/2005
- Biochemical Sequence Diskette filed on 07/08/2005
- Oath or Declaration filed on 07/08/2005
- Biochemical Sequence Listing filed on 07/08/2005
- Request for Immediate Examination filed on 01/21/2005
- U.S. Basic National Fees filed on 01/21/2005
- Priority Documents filed on 01/21/2005
- Power of Attorney filed on 07/08/2005
- Specification filed on 07/08/2005
- Claims filed on 07/08/2005
- Abstracts filed on 07/08/2005
- Drawings filed on 07/08/2005



Applicant's response filed 07/08/2005 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 05/06/2005 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

**COPY**

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice MUST be returned with the response.*

PAULETTE R KIDWELL

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Telephone: (703) 308-9140 EXT 216

PART 1 - ATTORNEY/APPLICANT COPY

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/522,074	PCT/GB03/03273	P30,358USA

FORM PCT/DO/EO/916 (371 Formalities Notice)

**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING  
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/522,074  
Source: Pat/10  
Date Processed by STIC: 8/22/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

**BEST AVAILABLE COPY**

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/522,074

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1  Wrapped Nucleic  
       Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping".

2  Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3  Misaligned Amino  
      Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4  Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5  Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6  PatentIn 2.0  
      "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7  Skipped Sequences  
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8  Skipped Sequences  
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000

9  Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10  Invalid <213>  
      Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11  Use of <220>  
→ Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12  PatentIn 2.0  
      "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13  Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/522,074

DATE: 08/22/2005  
TIME: 17:07:34

Input Set : A:\10-522,074 SEQLIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

3 <110> APPLICANT: Delta Biotechnology Limited  
 4 Darrell Sleep  
 6 <120> TITLE OF INVENTION: Gene and Polypeptide Sequences  
 8 <130> FILE REFERENCE: P30,358 USA  
 10 <140> CURRENT APPLICATION NUMBER: 10/522,074  
 C--> 11 <141> CURRENT FILING DATE: 2005-01-21  
 13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/003273  
 14 <151> PRIOR FILING DATE: 2003-07-23  
 16 <150> PRIOR APPLICATION NUMBER: GB 0217033.0  
 17 <151> PRIOR FILING DATE: 2002-07-23  
 19 <160> NUMBER OF SEQ ID NOS: 40  
 21 <170> SOFTWARE: SeqWin99  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 5  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial Sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Leader sequence  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: MISC\_FEATURE  
 33 <222> LOCATION: 1  
 34 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: MISC\_FEATURE  
 38 <222> LOCATION: 2  
 39 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
 41 <220> FEATURE:  
 42 <221> NAME/KEY: MISC\_FEATURE  
 43 <222> LOCATION: 3  
 44 <223> OTHER INFORMATION: CAN BE EITHER Leu OR Val OR Ala OR Met  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: MISC\_FEATURE  
 48 <222> LOCATION: 4  
 49 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr  
 51 <220> FEATURE:  
 52 <221> NAME/KEY: MISC\_FEATURE  
 53 <222> LOCATION: 5  
 54 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Val OR Ala OR Met  
 56 <400> SEQUENCE: 1  
 57 Phe Ile Leu Ser Ile  
 58 1 5  
 60 <210> SEQ ID NO: 2  
 61 <211> LENGTH: 5

1-6  
 JPA  
 Does Not Comply  
 with the  
 required Diskette Needs  
 (see item 11  
 on Error  
 Summary  
 Sheet)

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/522,074

DATE: 08/22/2005  
TIME: 17:07:34

Input Set : A:\10-522,074 SEQ LIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

62 <212> TYPE: PRT  
63 <213> ORGANISM: Artificial Sequence  
65 <220> FEATURE:  
66 <223> OTHER INFORMATION: Leader sequence *some error*  
68 <220> FEATURE:  
69 <221> NAME/KEY: MISC\_FEATURE  
70 <222> LOCATION: 2  
71 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
73 <220> FEATURE:  
74 <221> NAME/KEY: MISC\_FEATURE  
75 <222> LOCATION: 3  
76 <223> OTHER INFORMATION: CAN BE EITHER Leu OR Val OR Ala OR Met  
78 <220> FEATURE:  
79 <221> NAME/KEY: MISC\_FEATURE  
80 <222> LOCATION: 4  
81 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr  
83 <220> FEATURE:  
84 <221> NAME/KEY: MISC\_FEATURE  
85 <222> LOCATION: 5  
86 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Val OR Ala OR Met  
88 <400> SEQUENCE: 2  
89 Phe Ile Leu Ser Ile  
90 1 5  
92 <210> SEQ ID NO: 3  
93 <211> LENGTH: 5  
94 <212> TYPE: PRT  
95 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
98 <223> OTHER INFORMATION: Leader sequence  
100 <220> FEATURE:  
101 <221> NAME/KEY: MISC\_FEATURE  
102 <222> LOCATION: 1  
103 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
105 <220> FEATURE:  
106 <221> NAME/KEY: MISC\_FEATURE  
107 <222> LOCATION: 3  
108 <223> OTHER INFORMATION: CAN BE EITHER Leu OR Val OR Ala OR Met  
110 <220> FEATURE:  
111 <221> NAME/KEY: MISC\_FEATURE  
112 <222> LOCATION: 4  
113 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr  
115 <220> FEATURE:  
116 <221> NAME/KEY: MISC\_FEATURE  
117 <222> LOCATION: 5  
118 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Val OR Ala OR Met  
120 <400> SEQUENCE: 3  
121 Phe Ile Leu Ser Ile  
122 1 5  
124 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/522,074

DATE: 08/22/2005  
TIME: 17:07:34

Input Set : A:\10-522,074 SEQ LIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

125 <211> LENGTH: 5  
126 <212> TYPE: PRT  
127 <213> ORGANISM: Artificial Sequence  
129 <220> FEATURE:  
130 <223> OTHER INFORMATION: Leader sequence  
132 <220> FEATURE:  
133 <221> NAME/KEY: MISC\_FEATURE  
134 <222> LOCATION: 1  
135 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
137 <220> FEATURE:  
138 <221> NAME/KEY: MISC\_FEATURE  
139 <222> LOCATION: 2  
140 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
142 <220> FEATURE:  
143 <221> NAME/KEY: MISC\_FEATURE  
144 <222> LOCATION: 4  
145 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr  
147 <220> FEATURE:  
148 <221> NAME/KEY: MISC\_FEATURE  
149 <222> LOCATION: 5  
150 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Val OR Ala OR Met  
152 <400> SEQUENCE: 4  
153 Phe Ile Val Ser Ile  
154 1 5  
156 <210> SEQ ID NO: 5  
157 <211> LENGTH: 5  
158 <212> TYPE: PRT  
159 <213> ORGANISM: Artificial Sequence  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: Leader sequence  
164 <220> FEATURE:  
165 <221> NAME/KEY: MISC\_FEATURE  
166 <222> LOCATION: 1  
167 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
169 <220> FEATURE:  
170 <221> NAME/KEY: MISC\_FEATURE  
171 <222> LOCATION: 2  
172 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
174 <220> FEATURE:  
175 <221> NAME/KEY: MISC\_FEATURE  
176 <222> LOCATION: 3  
177 <223> OTHER INFORMATION: CAN BE EITHER Leu OR Val OR Ala OR Met  
179 <220> FEATURE:  
180 <221> NAME/KEY: MISC\_FEATURE  
181 <222> LOCATION: 5  
182 <223> OTHER INFORMATION: CAN BE EITHER Ile Val OR Ala OR Met  
184 <400> SEQUENCE: 5  
185 Phe Ile Leu Ser Ile  
186 1 5

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/522,074

DATE: 08/22/2005  
TIME: 17:07:34

Input Set : A:\10-522,074 SEQLIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

188 <210> SEQ ID NO: 6  
189 <211> LENGTH: 5  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Artificial Sequence  
193 <220> FEATURE:  
194 <223> OTHER INFORMATION: Leader sequence  
196 <220> FEATURE:  
197 <221> NAME/KEY: MISC\_FEATURE  
198 <222> LOCATION: 1  
199 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
201 <220> FEATURE:  
202 <221> NAME/KEY: MISC\_FEATURE  
203 <222> LOCATION: 2  
204 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
206 <220> FEATURE:  
207 <221> NAME/KEY: MISC\_FEATURE  
208 <222> LOCATION: 3  
209 <223> OTHER INFORMATION: CAN BE EITHER Leu OR Val OR Ala OR Met  
211 <220> FEATURE:  
212 <221> NAME/KEY: MISC\_FEATURE  
213 <222> LOCATION: 4  
214 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr  
216 <400> SEQUENCE: 6  
217 Phe Ile Leu Ser Ile  
218 1 5  
220 <210> SEQ ID NO: 7  
221 <211> LENGTH: 5  
222 <212> TYPE: PRT  
223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Leader sequence  
228 <400> SEQUENCE: 7  
229 Phe Ile Val Ser Ile  
230 1 5  
232 <210> SEQ ID NO: 8  
233 <211> LENGTH: 4  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Leader sequence  
240 <400> SEQUENCE: 8  
241 Met Lys Trp Val  
242 1  
244 <210> SEQ ID NO: 9  
245 <211> LENGTH: 9  
246 <212> TYPE: PRT  
247 <213> ORGANISM: Artificial Sequence  
249 <220> FEATURE:  
250 <223> OTHER INFORMATION: Leader sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/522,074

DATE: 08/22/2005  
TIME: 17:07:34

Input Set : A:\10-522,074 SEQLIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

global error

252 <400> SEQUENCE: 9  
253 Leu Phe Leu Phe Ser Ser Ala Tyr Ser  
254 1 5  
256 <210> SEQ ID NO: 10  
257 <211> LENGTH: 9  
258 <212> TYPE: PRT  
259 <213> ORGANISM: Artificial Sequence  
261 <220> FEATURE:  
262 <223> OTHER INFORMATION: Leader sequence  
264 <220> FEATURE:  
265 <221> NAME/KEY: MISC\_FEATURE  
266 <222> LOCATION: 1  
267 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
269 <220> FEATURE:  
270 <221> NAME/KEY: MISC\_FEATURE  
271 <222> LOCATION: 2  
272 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
274 <220> FEATURE:  
275 <221> NAME/KEY: MISC\_FEATURE  
276 <222> LOCATION: 3  
277 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
279 <220> FEATURE:  
280 <221> NAME/KEY: MISC\_FEATURE  
281 <222> LOCATION: 4  
282 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
284 <220> FEATURE:  
285 <221> NAME/KEY: MISC\_FEATURE  
286 <222> LOCATION: 5  
287 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr OR Gly OR Tyr OR Ala  
289 <220> FEATURE:  
290 <221> NAME/KEY: MISC\_FEATURE  
291 <222> LOCATION: 6  
292 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr OR Gly OR Tyr OR Ala  
294 <220> FEATURE:  
295 <221> NAME/KEY: MISC\_FEATURE  
296 <222> LOCATION: 7  
297 <223> OTHER INFORMATION: CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met  
299 <220> FEATURE:  
300 <221> NAME/KEY: MISC\_FEATURE  
301 <222> LOCATION: 8  
302 <223> OTHER INFORMATION: CAN BE EITHER Phe OR Trp OR Tyr  
304 <220> FEATURE:  
305 <221> NAME/KEY: MISC\_FEATURE  
306 <222> LOCATION: 9  
307 <223> OTHER INFORMATION: CAN BE EITHER Ser OR Thr OR Gly OR Tyr OR Ala  
309 <400> SEQUENCE: 10  
310 Ile Phe Ile Phe Ser Ser Ile Phe Ser  
311 1 5  
313 <210> SEQ ID NO: 11

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/22/2005  
PATENT APPLICATION: US/10/522,074 TIME: 17:07:35

Input Set : A:\10-522,074 SEQLIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; Xaa Pos. 5,6,7,8,9  
Seq#:13; Xaa Pos. 5,6,7,8,9  
Seq#:14; Xaa Pos. 5,6,7,8,9  
Seq#:15; N Pos. 12  
Seq#:16; N Pos. 9,12  
Seq#:31; Xaa Pos. 5,6,7,8,9

VERIFICATION SUMMARY DATE: 08/22/2005  
PATENT APPLICATION: US/10/522,074 TIME: 17:07:35

Input Set : A:\10-522,074 SEQLIST 20050630.txt  
Output Set: N:\CRF4\08222005\J522074.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0